

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

02/24/2004

STEPHEN R. CHAPMAN 300 BRACKETT HALL CLEMSON UNIVERSITY CLEMSON, SC 29634-5701 EXAMINER

NOLAN, SANDRA M

ART UNIT

PAPER NUMBER

1772

DATE MAILED: 02/24/2004

	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. SRC012U	CONFIRMATION NO.
APPLICATION NO.		David A. Zumbrunnen	3100120	
09/963,983	09/25/2001	OR AND STRUCTURED MATERIALS FORMED THEREI	FROM	

TITLE OF INVENTION: CHAOTIC MIXING METHOD AND STRUCTURED MATERIALS FORMED THEREFROM

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE \$300	TOTAL FEE(S) DUE \$1630	DATE DUE 05/24/2004
nonprovisional	NO	\$1330	······································	OWED FOR ISSUAN	CE AS A PATENT.

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE **Commissioner for Patents** P.O. Box 1450 Alexandria, Virginia 22313-1450

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

02/24/2004

STEPHEN R. CHAPMAN 300 BRACKETT HALL CLEMSON UNIVERSITY CLEMSON, SC 29634-5701

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Signature

CONFIRMATION NO. ATTORNEY DOCKET NO. FIRST NAMED INVENTOR FILING DATE 3306 SRC012U APPLICATION NO. David A. Zumbrunnen 09/25/2001

TITLE OF INVENTION: CHAOTIC MIXING METHOD AND STRUCTURED MATERIALS FORMED THEREFROM

				PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
TVDE	SMALL ENTITY	ISSUE FEI	E	PUBLICATION 125	\$1630	05/24/2004
APPLN. TYPE		\$1330	_	\$300	\$1030	
nonprovisional	МО				า	
	(D)ED	ART UNIT		CLASS-SUBCLASS	ل	
	MINER	1772	428-137000			
NOLAN,	SANDRA M	1//2		printing on the patent front page	List (1) the	
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). □ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			names agents firm (h agent) attorne will be	of up to 3 registered patent OR, alternatively, (2) the name aving as a member a registered and the names of up to 2 regi ys or agents. If no name is list printed.	e of a single d attorney or stered patent ted, no name 3	
3. ASSIGNEE NAME AN PLEASE NOTE: Unle	AD RESIDENCE DATA TO ss an assignee is identified tred to the USPTO or is bein	BE PRINTED ON The below, no assignee of submitted under se	THE PATE	ENT (print or type) ppear on the patent, Inclusion of er. Completion of this form is N ENCE: (CITY and STATE OR C	assignee data is only appropr OT a substitute for filing an ass COUNTRY)	iate when an assignme signment.

been previously submitted to the USPTO or is being submitted under separate (B) RESIDENCE: (CITY and STATE OR COUNTRY)

been previously submitted to the USPTO or is being submitted (A) NAME OF ASSIGNEE	(B) RESIDENCE: (CITY	and STATE OR	COUNTRY)
Please check the appropriate assignee category or categories (will	not be printed on the patent);	☐ individual	□ corporation or other private group entity □ government
Please check the appropriate assigned energy	4b. Payment of Fee(s):		
4a. The following fee(s) are enclosed:	☐ A check in the amo	ount of the fee(s)	is enclosed.
☐ Issue Fee		· · · DTO	2029 is attached
☐ Publication Fee		waby authorized	by charge the required lee(s), or this form)
☐ Advance Order - # of Copies Director for Patents is requested to apply the Issue Fee and Public	Deposit Account Nu	nber	(Circlose an extra try)
NOTE; The Issue Fee and Publication Fee (if required) will other than the applicant; a registered attorney or agent; or interest as shown by the records of the United States Patent and This collection of information is required by 37 CFR 1.311. obtain or retain a benefit by the public which is to file (and application. Confidentiality is governed by 35 U.S.C. 122 and estimated to take 12 minutes to complete, including gathering completed application form to the USPTO. Time will vary completed application to the amount of time you require	The information is required to by the USPTO to process) an 37 CFR 1.14. This collection is preparing, and submitting the		
estimated to take 12 minutes to completed application form to the USPTO. Time will vary case. Any comments on the amount of time you require suggestions for reducing this burden, should be sent to the Patent and Trademark Office, U.S. Department of Co 22313-1450. DO NOT SEND FEES OR COMPLETED 18 SEND TO: Commissioner for Patents, Alexandria, Virginia 2. Under the Paperwork Reduction Act of 1995, no persons collection of information unless it displays a valid OMB control.	ommerce, Alexandria, Virginia FORMS TO THIS ADDRESS 2313-1450.		



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR David A. Zumbrunnen	ATTORNEY DOCKET NO. SRC012U	CONFIRMATION NO. 3306	
09/963,983	09/25/2001 7590 02/24/2004		EXAMINER NOLAN, SANDRA M		
STEPHEN R. C 300 BRACKETT CLEMSON UNI CLEMSON, SC	HALL VERSITY		ART UNIT 1772 DATE MAILED: 02/24/200	PAPER NUMBER	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 111 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 111 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.